Instructions

for use

Инструкция

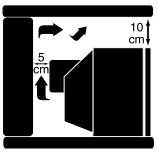
по эксплуатации

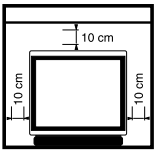
21MS77CX

THOMSON

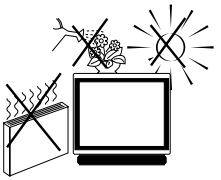
SAFE USE OF THE EQUIPMENT

1. TO TURN ON

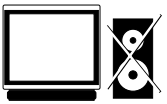




LEAVE ROOM FOR VENTILATION.



AVOID HEAT,
WATER,
DIRECT SUNLIGHT.



Do not place audio loudspeakers near to television. The magnets in the speakers could cause patches of colour to appear on the screen.

To ensure your personal safety and the efficient operation of your equipment, please follow the advice given below :

Television sets need ventilation to avoid overheating which can cause damage to the components. The ventilation slots at the back of the set should not be covered up by curtains, small covers, newspapers, etc... There must be enough room in built-in cupboards to allow the cooling air to circulate. The set should not be placed directly next to heating.

This appliance is designed for use in dry areas. If occasionally you should wish to operate it outdoors (for example, on the balcony or veranda), you must insure that it is protected against all forms of moisture (dew, rain, splashed water).

A cold set may be switched on in a warm room only after any condensation which may happen to be on the screen has evaporated. Never remove the cabinet back. Have your aerial installed by an authorised dealer or service technician.

In the evenings, after the TV programmes, or in case of a prolonged absence, it is recommended that the appliance be switched off using the on/off switch.

Even if the ON/OFF switch is in OFF position the set is not completely separated from the mains. In order to separate the set completely from the mains, the set has to be disconnected by unplugging the mains plug.

Remove the power plug from the wall outlet under the following conditions:

1. During a thunderstorm, it is also recommended that you disconnect the aerial plug.
2. In case of malfunction, if the set does not operate normally.

Additional information :

Your TV set is adequately shielded to prevent emission of X-rays.

The acceleration voltage does not exceed the maximum value of 26 kV.

Work by non-qualified technicians, modification of the high voltage setting or the replacement of the tube with a model that does not comply with the manufacturer's specifications may lead to X-radiation.

A set changed in any of the above ways no longer satisfies the initial specifications and should not be put back into service.

ENGLISH

2. CARE OF THE EQUIPMENT

The screen should be cleaned with liquid glass cleaner.

- Never use abrasive cleaners.
- To clean the front and the cabinet of your equipment use a soft cloth dipped in mild detergent. The use of strong solvents such as white spirits or alcohol based products could damage your equipment.
- Clean the vents on the rear panel of your set regularly.

3. DEMAGNETISATION

The earth's magnetic field may have an effect on your television by causing patches of colour to appear on the screen. If this happens :

- Switch off the television with the on-off button
- Wait a few minutes, and then press again to switch on.

This allows the screen to be demagnetised automatically. If patches of colour are still visible repeat the procedure.

THE REMOTE CONTROL

MENU

MAIN MENU to call up the menus:

PICTURE	▶	Picture	page 8
TIME SET	▶	Setting the clock	10
PROGRAM.	▶	Manual channel setting	12
ORGANIS.	▶	Re-organizing programmes	7

TIMER MENU to select functions:

	▶	Stand-By (Sleep timer)	page 10
	▶	Alarm	11

The menus PROGRAM., ORGANIS. and TIMER can be locked. If you cannot display them, see page 17 on how to unlock them.

The first line of the menus is automatically selected. To select another line, simply press the button again, to move down through the menus.

SOUND SELECTION

PICTURE SELECTION

PROGRAMME SELECTION — PROG.

VOLUME LEVEL,
and adjustment or selection in menus. — STOP, FUNC. VT

TV

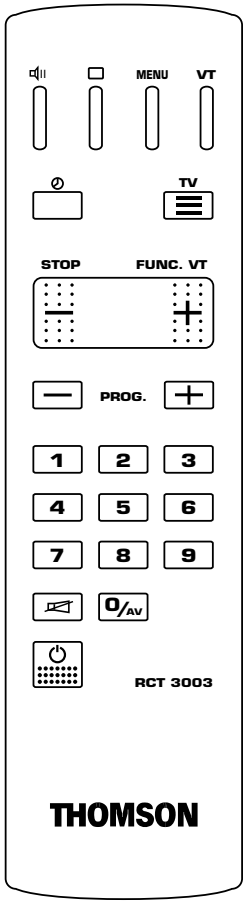
INFORMATION DISPLAY,
(current channel, time, pre-sets)
and to leave menus.

SOUND MUTE

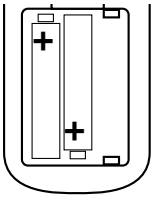
VT

TELETEXT
and scroll up through the menus.

STAND-BY



Batteries: Remove the lid at the back of the remote control and insert two 1,5 V batteries, TYPE LR03 (AAA) or equivalent.



For a cleaner environment, please dispose of used batteries in the containers provided for this purpose.

ENGLISH

CONTENTS

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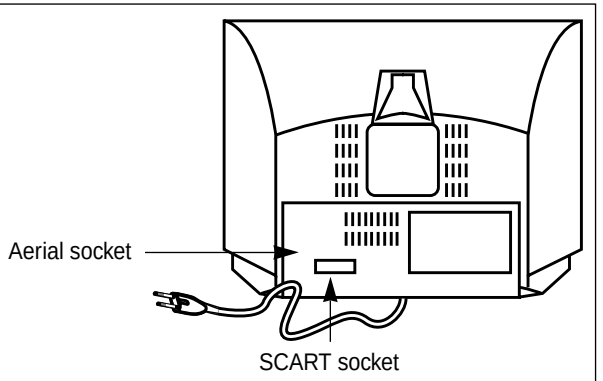
PICTURE ADJUSTMENTS	8	CONNECTIONS	16
DAY TO DAY OPERATION	9	LOCKING MENU	17
OTHER FUNCTIONS	10	TECHNICAL FEATURES	18

CONNECTIONS AND CONTROLS

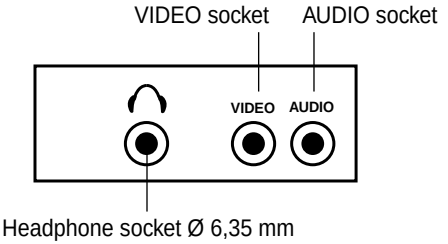
ENGLISH

At the back of the set

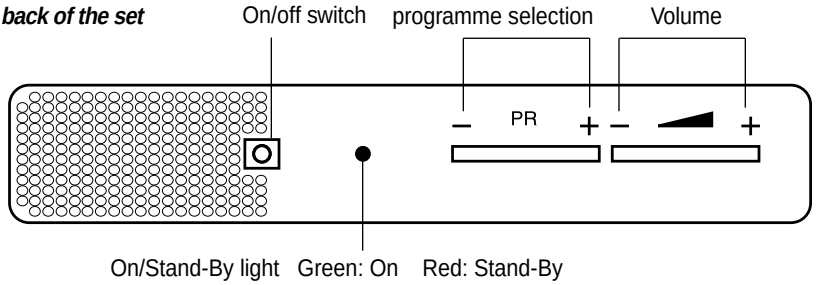
Connect to A. C. main supply
220 - 240 V ~ 50 Hz.



At the right side of the set



At the back of the set



TO TURN ON

Press the on/off switch; the indicator light comes on.
Press button **1** on the remote control.
If your television set has not been tuned in, you may now begin tuning the channels.
Proceed to selecting the menu language in the INSTALLATION MENU.

AUTOMATIC CHANNEL SETTING

This set is equipped with an automatic search system which will search and store all channels available in your region. To help identify the programmes, we suggest that you have to hand a TV guide or daily newspaper.

Ensure that the aerial lead is connected to the television and any VCR or SAT equipment that is connected via the antenna is turned on but do not switch on if also/only connected to a Scart/AV input.

Searching for stations and storing them in memory depends on the language selected in the INSTALLATION MENU.

ENGLISH

Searches BG channels then DKK' channels.

RUSSIAN

Searches DKK' channels then BG channels.

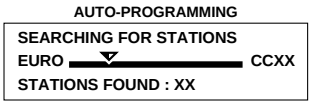
1. INSTALLATION MENU

When the television set is turned on for the first time, the Installation menu appears automatically.
If this menu is not displayed, you can make it appear as follows:

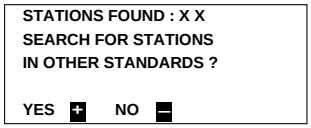
- Switch the television to Stand-By.
- Switch off the television by pressing the on/off switch and wait for the light to go out.
- Switch the set back on, whilst keeping the PROGRAM — button on the television keypad pressed down until the INSTALLATION MENU appears.

Press repeatedly the button to select the menu language you require.

Press briefly, a new menu appears, automatic search begins.The cursor will move from left to right.
Please wait until the following menu appears.



Press briefly to restart the search in other broadcasting standard,
or
press briefly to display the PROGRAMME ORGANISE menu.



The PROGRAMME ORGANISE menu appears automatically when the search for channels in other standard is complete.

2. PROGRAMME ORGANIZER MENU

This menu is used for:
- allocating programme numbers and name the programmes auto tune has found (ie. BBC 1 in Prog. 1, etc…).
- storing the changes made in memory.
- erasing a programme.

ORGANISE PR – –
PR 01 CH22
TO SELECT A STATION PR – / PR +
TO GIVE A PROG. N. +
TO ERASE THIS STATION –
WHEN COMPLETED, PRESS [TV]

ERASING - STORING PROGRAMMES

Select the programme.

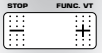
To erase:

keep pressed for some seconds until the station disappears.

ORGANISE PR – –
PR 01 CH22
TO SELECT A STATION PR – / PR +
TO GIVE A PROG. N. +
TO ERASE THIS STATION –
WHEN COMPLETED, PRESS [TV]

To store:

press briefly and a new menu will appear.



Select the number that you want to give to the programme.

ORGANISE PR – –
PR 01 CH22
PROGRAMME N. : – – – / +
NAME : – – – –
TO STORE AND CONTINUE

PROGRAMME NAME

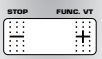
Press briefly to move to the **NAME** line.

NAME : ––––– PR – / PR + – / +

Press briefly. The first dash flashes.

Hold down (PROG +): the characters are displayed in ascending order.

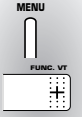
Hold down (PROG —): the characters are displayed in descending order.



When the character you are looking for is displayed, move on to the next (**+**), or preceding dash (**—**).

To insert a space, use the empty character (between Я and O).

TO STORE IN MEMORY



Press briefly to select the **STORE** line.

TO STORE AND CONTINUE +

Press briefly to store your changes in memory, the + turns to **OK**.
The PROGRAMME ORGANISE menu then reappears.

Repeat the above procedure to change other programmes.

Press briefly to clear the menu from the screen.

NEW CHANNELS

If a channel is not found or a new channel starts to broadcast in your region please refer to MANUAL CHANNEL SETTING.

ENGLISH

NEW REGION *(If you move to another region, or you want to start again for any other reason)*

Start the automatic search again and reorganise the programmes. To do this, call up the INSTALLATION menu and proceed as described earlier (page 5).

All programmes and names previously stored are then erased.

TV

Press briefly to clear the menu from the screen.

RE-ORGANIZING PROGRAMMES

If you subsequently wish to re-organize the order of your programmes please proceed as follows:

MENU

Press briefly to call up the main menu.

MENU

Press repeatedly until the ⟷ **ORGANIS**. line is selected.

FUNC. VT

Press briefly and the PROGRAMME ORGANISE menu is displayed.

MAIN MENU

	PICTURE
	TIME SET
→■	PROGRAM.
⟷	ORGANIS. +

While the television is in any AV mode, (audio-visual), PROGRAMME ORGANISE menu cannot be displayed.

PROG. − +

Select the programme.

ORGANISE PR – –
PR 01 CH22

TO SELECT A STATION PR – / PR +
TO GIVE A PROG. N. +
TO ERASE THIS STATION –
WHEN COMPLETED, PRESS [TV]

To erase:

STOP −

keep pressed for some seconds until the station disappears.

To store:

FUNC. VT

press briefly and a new menu will appear.

STOP FUNC. VT

Select the number that you want to give to the programme.

ORGANISE PR – –
PR 01 CH22

PROGRAMME N. : – – − / +
NAME : – – – –
TO STORE AND CONTINUE

MENU

Press repeatedly to select the **STORE** line.

FUNC. VT

Press briefly to store your changes in memory, the + turns to **OK**.
The PROGRAMME ORGANISE menu then reappears.

Repeat the above procedure to change other programmes.

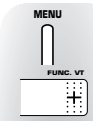
TO STORE AND CONTINUE +

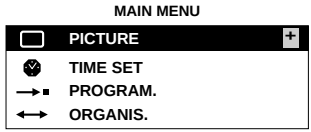
TV

Press briefly to clear the menu from the screen.

ENGLISH

PICTURE ADJUSTMENTS

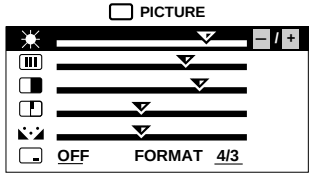


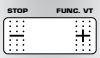


Press briefly to call up the main menu.
The ☐ **PICTURE** *line is selected*
Press briefly and the picture menu appears.
The first line is selected.
Press the button repeatedly to select the function you want to adjust :

☀	III	◨	◧	◢◣
=	=	=	=	=
BRIGHTNESS	COLOUR	CONTRAST	SHARPNESS	TINT

The sharpness adjustment is active only in PAL or NTSC mode. The tint adjustment is active only in NTSC mode.





To carry out the adjustments.
These personal adjustments can be recalled at a later stage (page 9, ☐ **PICTURE***).*

ENGLISH

PROGRAMME NUMBER DISPLAY

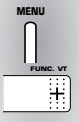
Select the ▭ line.
Press briefly to select
ON *: constantly displayed* **OFF** *: only displayed briefly after programme change*

PICTURE FORMAT *(only with special 16/9 signals)*

This is used to select the format.
Select the **FORMAT** line.

Press briefly to select the format: **4/3 or 16/9**.
Whenever a programme change is made, the set automatically switches over to the 4/3 picture format.

S-VIDEO *(This line appears only for an AV programme)*



This is used to select **S - VIDEO** for use with devices (camcorders) which output this type of signal (S - VHS or HI - 8).
Select the **S-VIDEO** line.

Press briefly to select:
ON : S - VIDEO **OFF** : VIDEO

Press briefly to clear the menu from the screen.

SWITCHING ON - SELECTING PROGRAMMES

Switch on the television set with the mains on/off switch if the indicator is off. if it is on, select the desired programme:

For the programmes from 1 to 9:
Press briefly the corresponding number.
For the programmes from 10 to 59:
press and hold on the decimal (tens) number.
Press the (units) number.

When the set is in Stand-By mode, you can also switch it on using buttons PR —/+ on the keyboard (if the television is not CHILD LOCKED).

PICTURE ADJUSTMENTS

The television picture can be adapted to suit the current lighting conditions.
Press repeatedly to choose the setting you wish:

=	=	=	**PREF.** =
Dark	Dim	Bright	Personal adjustments

SOUND ADJUSTMENTS

The television sound can be adapted to suit the sound of programme being watched.
Press repeatedly to choose the option you wish:

VOICE =	**MUSIC** =
Debates, news etc…	Musical programmes

SOUND MUTE - VOLUME ADJUSTMENT

Pressing once turns the sound off.
The sound returns if the button is pressed once more.
Set the volume as desired.

DISPLAY - PROGRAMME UP-DOWN

Displays the settings for the channel being watched: programme name and number - sound - time - Stand-By timer - alarm setting.

Some details will only be displayed if they have been entered.

Press repeatedly to run through the programmes stored in memory.

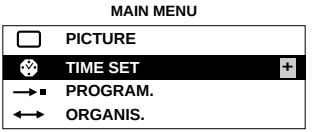
STAND-BY - AUTOMATIC SWITCH OFF

Press briefly. The Stand-By light turns red.

Note: The television will automatically switch to Stand-By after a few minutes if there is no signal on the channel being watched.

ENGLISH

SETTING THE CLOCK



MENU

Press briefly to call up the main menu.

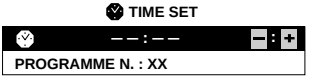
MENU

The ▭ **PICTURE** *line is selected.*

FUNC. VT

Press briefly to select the **TIME SET** line.

Press briefly. The Time Set menu is displayed.



The *line is selected.*

STOP

Press — repeatedly to adjust the hours.

FUNC. VT

Press + repeatedly to adjust the minutes.

MENU

Press briefly to select the **PROGRAMME N.** line.

STOP FUNC. VT

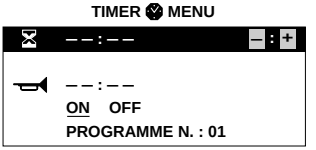
Using the — and + keys, choose a programme which broadcasts teletext. The teletext time time of this programme only will be used as a reference for the internal clock.
The internal clock sets itself automatically every time you select the reference programme.

ENGLISH

TV

Press briefly to clear the menu from the screen.
If you unplug or turn off your television, the time setting is lost. You can reset the clock as above or select the time reference programme.

STAND-BY (SLEEP TIMER)



Press briefly. The menu shown on the right is displayed.

The *line is selected.*

Stand-By times of between 15 minutes and 4 hours can be set (in 15-minute steps).

STOP

Press repeatedly to adjust the hours (max. 4 hours).

FUNC. VT

Press repeatedly to adjust the minutes (from 0 to 45 minutes in 15-minute steps).

TV

Press briefly to clear the menu from the screen.

The time left before Stand-By can be checked at any time:

TV

Press briefly. The time left is displayed for a few seconds. 00 : 13

The television will switch to Stand-By at the end of the timer interval.

The Stand-By light flashes to indicate that the CHILD LOCK function has been activated. The set can only be switched on again using the remote control not by the keyboard.

You can cancel a sleep timer command.

Press briefly to display the menu.

STOP

Press repeatedly to go back to — — : — —.

TV

Press briefly to clear the menu from the screen.

ALARM

This cannot be used if the clock is not set.

You can programme your television set to switch on automatically to a chosen programme at a chosen time. Firstly, make sure that the internal clock is set to the correct time. To do so :

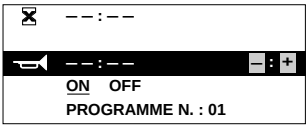
Press briefly.

If the time display is — — : — —, you cannot set the alarm. In this case, or if the time displayed is incorrect, you must first set the clock or. Refer to the SETTING THE CLOCK section.

If the time displayed is correct, the alarm can be programmed.

Press briefly. The menu shown on the right will appear.

TIMER MENU



Press briefly to select the line.

Press repeatedly to adjust the hours.

Press repeatedly to adjust the minutes.

Adjusting the alarm time automatically activates the alarm function:

ON is selected.

Select the **PROGRAMME N.** line.

Choose the programme you want the set to switch on to.

If you wish to cancel the alarm function,

select the **ON** line.

Select **OFF** to deactivate the alarm function.

Press briefly to clear the menu from the screen.

Switch the television to Stand-By.

The Stand-By light flashes. The television will switch on to the selected channel at the time programmed. The symbol appears on the bottom right of the screen. It will automatically switch off after five minutes if no key is pressed on the remote control or on the television keypad.

If the set is switched on before the alarm function is activated, it will not switch to the programme selected for the alarm at the programmed time.

It is possible to programme both the automatic switching off (SLEEP TIMER) and switching on (Alarm). In this case, the automatic switching on time must be programmed to take place after the switching off time.

ENGLISH

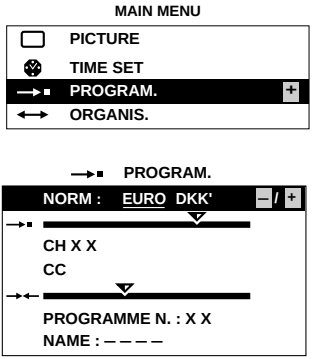
MANUAL CHANNEL SETTING

Press briefly to call up the main menu.

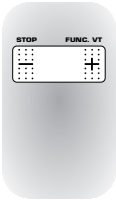
Press repeatedly to select the →■ **PROGRAM.** line.

While the television is in any AV mode, (audio-visual), PROGRAM. menu cannot be displayed.

Press briefly to display the →■ **PROGRAM.** menu. The first line is selected.



1. SELECTING THE BROADCASTING STANDARD



Press repeatedly to select:

EURO	Western Europe	(B, G)
DKK'	Eastern Europe, Middle East	(D, K, K')

2. CHANNEL SEARCH

▶ *If you do not know the channel numbers*

Select the →■ line.
Start the search by pressing:
— : backward channel search. *+ : forward channel search.*

The cursor will move and the channel numbers are displayed on the CH line when received via the aerial or on the CC line for cable network.

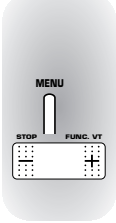
Once a station has been received, the picture appears on the screen. If the picture corresponds to the station required, go to the →← line, otherwise continue the search.

▶ *If you already know the channel numbers*

Select the CH line for TV channels (aerial) or CC for cable networks.

Enter the channel number (it must have 2 digits).
e. g.: channel 6, enter 0 and then 6.

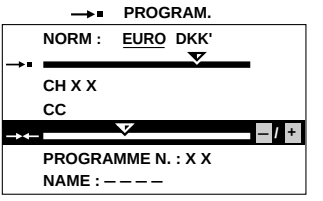
3. FINE TUNING *(OPTIONAL)*



Fine tune can be used to remove interference if necessary.

Press briefly to select the →← line.

Press + or — to change the picture as necessary.



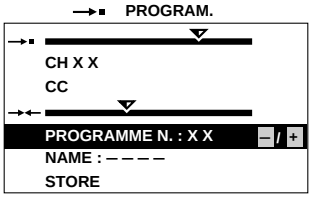
ENGLISH

If you have a decoder to receive a scrambled channel, the TV set goes into AV when this channel is being received.
In this case, disconnect the SCART socket from your decoder and call up the PROGRAM. menu. Select the →← line (Fine Tuning), reconnect the SCART socket and adjust the fine tuning if necessary.

4. PROGRAMME NUMBER

Press briefly to select the **PROGRAMME N.** line.

Enter an unused programme number using the remote control.

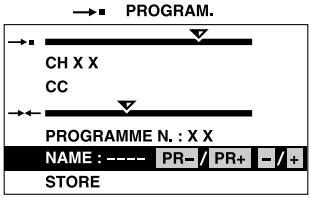


5. CHANNEL NAME

Press briefly to move to the **NAME** line.

Press briefly. The first dash flashes.

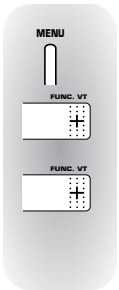
Hold down (PROG +): the characters are displayed in ascending order.



Hold down (PROG —): the characters are displayed in descending order.

When the character you are looking for is displayed, move on to the next (**+**), or preceding dash (**—**).

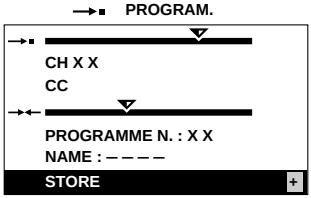
To insert a space, use the empty character (between Я and O).



6. STORING IN MEMORY

Press briefly to select the Memo line.

Press briefly. The + turns to **OK**. The channel is stored in memory. One second later, the →■ line is selected again.



Search for and store all channels for the same standard. Start again for a different standard from SELECTING THE BROADCASTING STANDARD.

Press briefly to remove the menu from the screen.

ENGLISH

TELETEXT - FASTEXT - TOPTEXT

CALLING TELETEXT

Press briefly. The index page (page 100) is displayed.

If the teletext transmitted is Fastext, a sub-menu is displayed with topics indicated by colour.

To select a topic press the corresponding colour button.

Once the keyword has been selected, new topics may appear.

If the teletext transmitted is TOPTEXT, the pages are grouped together under headings containing articles.

You can directly select the first page of a heading by pressing the blue button, or select the first page of an article by pressing the yellow button.

PAGE SELECTION

You can enter the number of the page desired
(this must have 3 digits) E. g.: page 170 - enter 1,7,0.

Once the page has been found, it is displayed.

If you have a non-existing page number with TOPTEXT, this page number is displayed in red.

You can select the previous page by pressing the red button or the following page by pressing the green button.

This fonction does not work if the colour keys have been re-defined by FASTEXT and if the broadcast does not allow it.

Press briefly to return to the index page.

SCROLLING PAGES

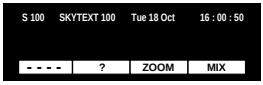
Some topics require several pages. The system scrolls through these sub pages automatically.
If you wish to stop the scanning of these sub pages *(Example: 3/5)*.....

Press briefly. Press again and scanning resumes.

OTHER TEXT FUNCTIONS

FUNC. VT

Press briefly, a new header block appaears.
Press again to return to previous header block .....



THE BUTTON COLOURS CORRESPOND TO THE DESIRED FUNCTION.

To enter the number of a sub page.

Example: page 3/7 (scrolling pages) : enter 0, 0, 0, 3.
As soon as a partial page is found, it appears on the screen.

Reveal:

Press briefly to reveal a hidden answer,
press again to hidde it once again.

For bigger text:

MENU

Press once - upper half of the screen is enlarged
Press twice - lower half of the screen is enlarged
Press a third time - return to normal teletext

Mixed display:

VT

Press briefly, the teletext page appears superimposed on the TV picture.
Press again to return to text-only display.

TV

Press briefly to return to the TV picture.

ENGLISH

CHILD LOCK

You can prevent the use of your television set without the remote control.
The TV set is childlocked:
- After the sleep timer function.
- After switching off the TV set by holding down the Stand-By button on the remote control for more than 4 seconds.

The CHILD LOCK function is indicated by the flashing of the Stand-By light. The television can only be switched back on using the remote control which cancels the child lock.

CONNECTIONS

1. AERIAL SOCKET

Enables connection of the aerial and, if required, a video-recorder, (see note for the latter). To tune the channel reserved for your video-recorder, you must insert a cassette and start it playing. Next locate the corresponding channel on your television by carrying out MANUAL CHANNEL SETTING (p. 12). Store at any programme ending with a 9 (9, 19, 29, etc…). Each time you use the video-recorder, switch to the programme assigned to it.

2. SCART SOCKET

This is used to connect:

- a VHS, 8 mm, S-VHS or Hi-8 videorecorder or camcorder.
- a PAY-TV (VIDEO) decoder.
- a PC or video games console.

In the case of an S-VHS or Hi-8 device, select S-VIDEO **ON** in the PICTURE menu (p. 8).

To use the connected device:

Press to select the audio-visual programme
For some devices this selection is automatic.

AV1 is displayed at the bottom of the screen, (audio-visual display).

When the VCR is stopped and if you have not changed channel during play, the TV set returns to the station previously watched.

If the television has been switched on by the video recorder, it will be placed on standby when the video recorder is switched off.

The TV set changes automatically to 16/9 format if the unit connected supplies the control voltage.

LOCKING MENU

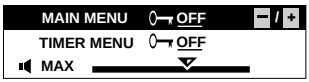
This menu is used for:

- locking the PROGRAM., ORGANIS. and TIMER menus,
- limiting the volume.

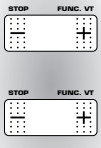
MENU DISPLAY

Switch the television to Stand-By, then switch it off by pressing the on/off switch.
To display the Locking menu, switch the set back on using the on/off switch whilst holding down the Stand-By button of the remote control for at least 6 seconds.

The menu to the right will appear: . . . . . .
The MAIN MENU line is selected.

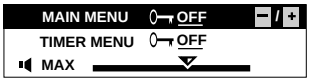


LOCKING AND UNLOCKING THE PROGRAM. AND ORGANIS. MENUS



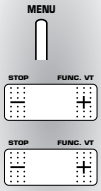
Press briefly to select **ON**. The PROGRAM. and ORGANIS. menus are now no longer accessible.

Press briefly to select **OFF.** The Program.
and Organis. menus are then accessible again : . . . . . .

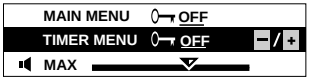


ENGLISH

LOCKING AND UNLOCKING THE TIMER MENU.



Press briefly to select
the TIMER MENU line. . . . . .

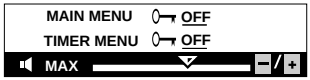


Press briefly to select **ON**.
The Timer menu is now no longer accessible.

Press briefly to select **OFF.** The TIMER menu is then accessible again.

VOLUME LIMITING

Press briefly to select
the **MAX** line : . . . . . .



Set the maximum volume desired.
The volume will be limited to this level.

Press briefly to remove the menu from the screen.

TECHNICAL FEATURES

MODEL	21 MS 77 CX
Power supply ~220-240V/50Hz	x
POWER CONSUMPTION	
Max. (W)	80
Stand-By (W)	2,5
COLOUR SYSTEM	
PAL/SECAM	x/x
NTSC by the SCART sockets	x
STANDARDS	
BG/DKK'	x/x
CHANNELS	
VHF/UHF/cable channels	x/x/x
TUNER	
Programmes quantity	(59 + 1 AV)
TUBE	
Diagonal (cm)	55
SOUND	
Max. power (W)	5 W
EXTERNAL CONNECTIONS	
Antenna socket	75 Ω
SCART AV1 (in/out)	x
Headphone socket (jack) Ø 6,35 mm	x
OTHER	
Remote control (type)	RCT 3003
The batteries LR03 - quantity (pcs.)	2
Dimensions (mm)	515/505/455
Weight (kg)	23
TXT	x

Legend: "x" - standard equipement, "-" do not have.

The descriptions and characteristic given in this document are given as a general indication and not as a guarantee. In order to provide the highest quality product possible, we reserve the right to make any improvement or modification without prior notice.